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Set	Items	Description
S1	1093038	DATABASE? OR DATABANK? OR DATAMIN? OR (DATA OR RECORD) (1W) - (MANAG? OR BASE? OR BANK? OR MINE? ? OR REPOSITOR? OR MINING) OR DB OR DBS OR OODB OR RDB OR DBMS OR RDBMS
S2	1513084	(FAMILY OR FAMILIES) OR (GROUP? OR TABLE? OR SET OR SETS OR CLASS) (5N) (RELATED OR RELATIONSHIP? OR COMMON OR SIMILIAR OR SAME OR ALIKE OR KINDRED)
S3	82908	DUPLICAT? OR DUPE? ? OR DEDUPE? ? OR DEDUPLICAT?
S4	22087513	VALUE? ? OR CRITERI? OR SPECIFIC? OR PROPERT? OR FEATUR? OR IDENTIFIER? OR FIELD? ? OR ELEMENT? OR INDICATOR?
S5	198	S1 AND S2 AND S3 AND S4
S6	179	RD (unique items)
S7	136	S6 NOT PY>2002
S8	4060987	SORT? ? OR ARRANG? OR INDEX? OR ADD OR ADDS OR ADDING OR O- GANISE? OR ORGANISING OR ORGANIZE? OR ORGANIZATION OR MERGE? - OR MERGING? OR (PUT OR PUTS OR PUTTING OR BRING? OR PLACE?) (-)TOGETHER
S9	42	S7 AND S8
S10	216491	S8 (5N) (DATA OR RECORD? ? OR INFORMATION OR ELEMENT? OR O- BJECT? ? OR FILE OR FILES OR CONTENT? ? OR ITEM OR ITEMS)
S11	7	S10 AND S7
S12	57	S7 AND S4 (5N) (DATA OR RECORD? ? OR INFORMATION OR ELEMENT? OR OBJECT? ? OR FILE OR FILES OR CONTENT? ? OR ITEM OR ITEMS)
S13	52	S12 NOT S11

?show files

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?t s13/5/5

13/5/5 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

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4777737 INSPEC Abstract Number: C9411-6130-009

Title: Duplicates **detection, counting, and removal**

Author(s): Abdelguerfi, M.

Author Affiliation: Dept. of Comput. Sci., New Orleans Univ., LA, USA
p.59-64

Editor(s): Tjoa, A.M.; Ramos, I.

Publisher: Springer-Verlag, Wien, Austria

Publication Date: 1992 Country of Publication: Austria xii+546 pp.

ISBN: 3 211 82400 6

Conference Title: Proceedings of DEXA '92. International Conference on
Database and Expert Systems Applications

Conference Date: 2-4 Sept. 1992 Conference Location: Valencia, Spain

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The need to detect and eliminate **duplicate elements** arises in many applications, such as the processing of relational **database** operations, the comparison of complex objects, transitive closure, and protocol verification. Given a multiset, the process of detecting **duplicates**, eliminating them, sorting the remaining distinct **elements**, and counting the number of occurrences of each in the multiset is a computationally intensive task, especially when complex objects are involved. In this paper, the computational complexity of performing such a task is addressed. The computational complexity study is based on a modified comparison-based decision tree. It is shown that, to a multiset $M(n,L)$ of n **elements**, L of which are distinct, we can associate a decision tree of $L!S(n,L)$ external nodes. $S(n,L)$ represents the Stirling number of the second kind. This result suggests that upper and lower bounds to perform such a task are different from those of sorting a **set** of the **same** cardinality. It is also shown that a comparison-based sorting algorithm can be adapted to perform such a task. In addition, the analytical performance of the adapted sorting algorithm is addressed. (31 Refs)

Subfile: C

Descriptors: computational complexity; list processing; relational **databases**; sorting; tree data structures

Identifiers: **duplicates** detection; **duplicates** counting; **duplicates** removal; relational **database** operations; complex objects comparison; transitive closure; protocol verification; multiset; analytical performance; computationally intensive task; computational complexity; modified comparison-based decision tree; Stirling number; upper bounds; lower bounds; cardinality; comparison-based sorting algorithm

Class Codes: C6130 (Data handling techniques); C4240 (Programming and algorithm theory); C1160 (Combinatorial mathematics); C4250 (Database theory); C6160D (Relational DBMS)

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?t s11/5/2,4

11/5/2 (Item 2 from file: 233)
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00436605 96HS09-005

Anatomy of a strategic information system in non-profit community health care

Misra, Santosh K; Golden, Donald G

Computers in Human Services , September 1, 1996 , v13 n3 p73-90, 18

Page(s)

ISSN: 0740-445x

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Describes the design and implementation of an **information** system for a loosely **organized group** of six health care and **related** organizations. Discloses that the system kernel is designed to capture a **common set** of data that all participating organizations need. Notes that the second tier deals with **specific** background information and the third tier deals with practice data. State the three-tier approach reduces **duplication** , tracking effort, the cost of **data management** , while producing a client's health ri profile and identifying service gaps. Adds that system design h considered issues of organizational fit, interoperability, and operational control. Includes three diagrams and one reference list. (dpm)

Descriptors: **Data Base Management** ; Health; Case Study;
Information Services; Interoperability

11/5/4 (Item 4 from file: 233)
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00262914 91PI12-018

Alpha Four

Salemi, Joe

PC Magazine , December 17, 1991 , v10 n 21 p122-130, 4 Page(s)

ISSN: 0888-8507

Company Name: Alpha Software

Product Name: Alpha Four

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): a

Geographic Location: United States

Presents a very favorable review of Alpha Four (\$549), a nonprogrammable **data base** from Alpha Software Corp., Burlington, MA (800, 617). The program requires 512K RAM, 2.4MB hard disk space, and DOS 2.0 or later. It can display data in form or table mode and can search for both **indexed** and unindexed **fields** . **Data** can be filtered using search lists which can be saved for repeated use. The mail-merge function supports if-then-else constructs within a letter, so letter content can be customized. The program can post data from the current file to another on-disk and it supports the Join, Subtract, and Intersect relation commands. Its Set functions can link up to ten **databases** on a **common field** and since a **Set** is treated like a single **database** , there is no requirement to **duplicate** data already entered in other files. It supports macros and has a keystroke recorder. It is an 'Editors' Choice.' Includes one illustration, one screen display. (djd)

Descriptors: **Database** ; **Data Base Management** ; **Sof tware Revi ew**

Identifiers: Alpha Four; Alpha Software

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